

English ⇒ Foreign Lang, Set 1 Semi-Technical Category (205 words)

Please translate everything below the line.

Most of today's weather modification is unintentional. For example, the cloudforming vapor trails of jets, the clearing of forests for crops and pasture, and the irrigation
of desert and wasteland regions all affect the climate in various ways. Nuclear
explosions are also thought by some scientists to have an effect, while others claim that
substantial proof is still lacking. What has been ascertained is that the blasts have built
up around the Earth a new belt of radioactivity, by injecting electrons into the encircling
magnetic fields.

One of the most massive and easily gauged problems of unintentional weather modification is air pollution. Factories and power plants, home furnaces, automobiles, and other fuel-burners clog the air with 6 million tons of carbon dioxide and other waste material a year.

These wastes, which readily absorb thermal or infrared radiation, trap heat, keeping the world's climate warmer than it would otherwise be. Because of this trapping process, our atmosphere has between 10 and 15 percent more carbon dioxide than it had a century ago.

Unintended weather modification is still relatively limited, but the ongoing population explosion and the probably bigger land projects of the future could conceivably tip the atmospheric scales, creating wholly new and unpredictable weather patterns.